Lockheed Martin Corporation Corporate Environment, Safety & Health 7921 Southpark Plaza, Suite 210 Littleton, CO 80120

LOCKHEED MARTIN

August 31, 2000

Mr. Gerard J. Thibeault Executive Officer California Regional Water Quality Control Board Santa Ana Region 3737 Main Street, Suite 500 Riverside, California 92501-3339

Dear Mr. Thibeault:

In accordance with the approved Water Supply Contingency Plan, enclosed is one copy of the **June 2000 Production Well Sampling Program** report prepared by Earth Tech for Lockheed Martin Corporation. This report presents analytical results from samples collected at Bunker Hill Basin Production Wells in June of 2000. The report includes laboratory quality assurance/quality control documentation.

If you or your staff have any comments or questions, please contact me at 303.971.1880.

Sincerely,

Stephen Evanoff

Manager, Redlands Project

SE:eah

Enclosures

c: See Attached Distribution List

Distribution

(Abbreviated Report Without Attachments "A & B", which are available upon request)

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Greg Snyder, City of Loma Linda

W. William Bryden, City of San Bernardino

Dieter Wirtzfeld, City of Riverside

Mr. Gerard Thibeault August 31, 2000 Page 3

bc: (Abbreviated report without attachments "A & B", which are available upon request)

Gallop, Johnson & Neuman 101 S. Hanley Road St. Louis, MO 63105 Attn: Michael Re

Highland Supply Corporation 1111 Sixth Street Highland, IL 62249 Attn: Donald E. Weder

Seven W Enterprises, Inc. 1500 Crafton Ave., P. O. Box 111 Redlands, CA 92373-1730 Attn: Janet M. Weder

Seven W. Enterprises, Inc. 1111 Sixth Street Highland, IL 62249 Attn: Wanda M. Weder Mr. Gerard Thibeault August 31, 2000 Page 4

bc: (Abbreviated report without attachments "A & B" which are available upon request)

Stephen Evanoff, LMC
Doug Goins, LMC-Legal (Denver)
Eric Hodder, LMC
Ian Hutchison, TRC
Gene Matsushita, LMC
Tom Patterson, TRC
Eric Peterson, Earth Tech
Gail Rymer, LMC-Communications
Bob Simpson, LMC

Two copies to BPO Technical Information Center (Library) RED Chron RED0700/083 WBS 48 Reg File

August 23, 2000

Lockheed Martin Corporation West Coast Project Office 2550 N. Hollywood Way, 3rd Floor Burbank, California 91505

Attention:

Mr. Eric Hodder

Project Supervisor

Subject:

June 2000 Data Report

Water Supply Contingency Plan Production Well Sampling Program Crafton-Redlands Plume Project Telephone

562.951.2000

Facsimile

562.951.2100

Dear Mr. Hodder:

This report presents a summary of results of the Water Supply Contingency Plan production well sampling for the month of June 2000. The Water Supply Contingency Plan (WSCP) was prepared by Lockheed Martin Corporation and submitted to the State of California Regional Water Quality Control Board (RWQCB) Santa Ana Region on September 30, 1996. The plan was conditionally approved by the RWQCB in a letter dated March 6, 1997. The WSCP for the Crafton-Redlands Plume was prepared to address maintenance of water supply to purveyors in the event that wells became impacted with trichloroethene (TCE) from the Crafton-Redlands TCE Plume. A summary of key dates and WSCP sampling program evolution is provided on Table 1.

The locations of the WSCP wells and analytical results for the June 2000 sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively. Table 2 presents a summary of analytical tests performed on each WSCP well and water system sampling point. The sampling frequency of each well is once a month for the first year. More frequent sampling, if required, is based on the analytical results as outlined in the WSCP TCE and perchlorate decision matrices, provided as Figures 3 and 4, respectively. The perchlorate decision matrix was presented in the Perchlorate Work Plan and Schedule, which was submitted to the RWQCB on August 15, 1997. The RWQCB approved the Perchlorate Work Plan on October 31, 1997. Table 3 presents a summary of the wells sampled twice monthly according to the decision matrices.



RESULTS

Summaries of the analytical results for the June 2000 WSCP sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively, and presented on Table 4. Available groundwater elevation data are provided on Table 5. The water sampling field forms are provided in Attachment A. Chain-of-custody, laboratory data sheets, and Level III laboratory quality assurance/quality control (QA/QC) documentation are provided in Attachment B.

Trichloroethene

Four groundwater samples collected in June met or exceeded $2/5^{th}$ the MCL for TCE (i.e., were greater than or equal to 2.0 µg/L) including: Gage 26-1 (7.8 µg/L), Gage 27-1 (7.3 µg/L), Gage 29-2 (5.2 µg/L) and Gage 29-3 (8.2 µg/L). The TCE impacts at Gage 26-1, Gage 27-1, Gage 29-2 and Gage 29-3 are partially attributed to the Norton AFB plume and partially attributed to the Crafton Redlands plume.

Richardson #1 was activated for sampling only. The purge water from Richardson #1 was pumped to waste, and not into the system.

The COLL Richardson Blend sampling point was not sampled in June because only the Richardson #3 well was pumping into the Richardson system. Thus, sampling of this sample point would be redundant.

Gage 26-1 and Gage 27-1 were placed into TCE treatment in May 1999; TCE treatment was installed at Gage 29-2, Gage 29-3, and Gage 92-1 in February 2000. Therefore, these five wells will be sampled once a month for TCE when active.

Eleven of the WSCP wells have now had measured TCE concentrations averaging less than one-fifth of the MCL (i.e., < 1.0 μ g/L) over the past 12 months. According to the decision matrix for sampling TCE (Figure 3), the sampling frequency for these wells may now be changed from monthly to quarterly. The next sampling event for the following eleven wells will be in July 2000:

Richardson #3	Southern Cal. Edison #2	Gage #29-1
Gage #30-1	Gage #46-1	Gage #51-1
Gage #56-1	Gage #66-1	Gage #92-2
Gage #92-3	City of Redlands Rees	

Perchlorate

In the June WSCP sampling, perchlorate was detected at or above 75 percent of the PAL (i.e., greater than or equal to13.5 μ g/L) in Gage 29-2 (34 μ g/L), Gage 29-3 (51 μ g/L) Gage 51-1 (19 μ g/L) and Gage 92-1 (19 μ g/L).

Gage 29-2, Gage 29-3, Gage 51-1, Gage 92-1 and COLL Richardson #1 wells are currently being sampled twice a month for perchlorate, if active.

Six of the WSCP wells have now had measured perchlorate concentrations averaging less than one-quarter of the PAL (i.e., $<\!4.5~\mu g/L)$ over the past 12 months. According to the decision matrix for sampling perchlorate (Figure 4), the sampling frequency for these wells may now be changed from monthly to quarterly. The next sampling event for the following six wells will be in July 2000:

Richardson #3

Southern Cal. Edison #2

Gage #30-1

Gage #56-1

Gage #92-2

Gage #92-3

CLOSING

Earth Tech greatly appreciates being of continued service to Lockheed Martin Corporation on this project. Should you have any questions or comments, please do not hesitate to call.

Sincerely, Earth Tech

Eric Peterson, P.E.

Program Director

Matthew Werner, R.G., C.E.G., C.H.

Project Manager

TABLES

TABLE 1

KEY PROJECT DATES AND WSCP SAMPLING PROGRAM EVOLUTION

August 2, 1996, the RWQCB – Santa Ana Region requested Lockheed Martin to submit a conceptual Water Supply Contingency Plan.

September 30, 1996, Lockheed Martin submitted the Water Supply Contingency Plan (WSCP) to the RWQCB – Santa Ana Region.

March 6, 1997, the RWQCB conditionally approved the WSCP, which included sampling eight production wells (City of Loma Linda Richardson #1, Richardson #2, Mountain View #1, Mountain View #2, Victoria Farms Mutual Water Company Wells #1 and #3, and Southern California Edison #1 and #2).

June 1997, Victoria Farms Mutual Water Company was connected of City of San Bernardino Water. Pumping ceased at VFMWC #1 and #3, and the two wells were removed from the program.

June 1997, sampling of SCE #1 was discontinued because it is not operated on a regular basis. The WSCP consists of five wells, including COLL Mountain View #1 and #2, COLL Richardson #1 and #2, and SCE #2 (AUX).

August 1997, the WSCP was expanded due to the detection of perchlorate in municipal supply wells in the Bunker Hill Basin. Twenty-six wells were added to the WSCP including nineteen City of Riverside wells, five City of Redlands wells, and two Loma Linda University wells, for a total of 31 wells.

October 1997, three City of Riverside water system sampling points were added to the WSCP, including the Gage system pipeline (Gage Delivery), the Waterman system pipeline (Iowa Booster), and the sampling station measuring outflow from the Linden and Evans Reservoirs (7th & Chicago).

March 1998, two City of Loma Linda water system sampling points were added to the WSCP, including the Mountain View system pipeline (Mountain View Blend at Lawton) and the Richardson system pipeline (Richardson Blend).

June 1998, one City of Riverside irrigation water system sampling point (Gage Arlington) and one additional City of Loma Linda water system sampling point (Mountain View Blend at Timoteo) were added to the WSCP.

December 1998, the COLL Richardson #3 well was added to the WSCP Sampling Program.

May 1999, Sampling of Mountain View Blend at Timoteo was discontinued because it does not represent a blend sample of the Mountain View pipeline system.

December 1999, the COLL Mountain View #3 well and the Gage 98-1 well were added to the WSCP Sampling Program

February 2000, the COLL Richardson #2 well was decommissioned, and therefore removed from the WSCP Sampling Program.

May 2000, Mountain View #2 was decommissioned, and therefore removed from the WSCP Sampling Program.

TABLE 2
WSCP PRODUCTION WELL SAMPLING PROGRAM

Well Number	Well Name	Perchlorate	TCE
City of Loma Lind	a - A A A A A A A A A A A A A A A A A A		
3106	Mountain View #3	X	X
693	Richardson #1	X	X
707	Richardson #3	X	X
City of Loma Lind	a Water System Sampling Points	يالأند والمستجهرين الأمساد	The state of the s
2967	Mountain View Blend - Lawton	X	X
2968	Richardson Blend	X	X
Southern Californ	ía Edison		
554	SCE #2 (AUX)	X	X
Loma Linda Unive	ersity. But the control of the contr	The second secon	The second secon
267	LL Univ Anderson #2	X	
717	LL Univ Anderson #3	X	
City of Riverside	(Gage System)		
252	Gage #26-1	X	×
258	Gage #27-1	X	×
259	Gage #27-2	X	X
260	Gage #29-1	X	X
219	Gage #29-2	X	X
220	Gage #29-3	X	×
218	Gage #30-1	X	X
214	Gage #31-1	X	X
215	Gage #46-1	X	X
253	Gage #51-1	Х	X
216	Gage #56-1	X	X
257	Gage #66-1	Х	X
644	Gage #92-1	X	X
641	Gage #92-2	X	X
642	Gage #92-3	X	X
3091	Gage #98-1	X	X
	(Waterman System)		
273	Hunt #6	X	
271	Hunt #10	X	
272	Hunt #11	X	
	Water System Sampling Points		
2946	Iowa Booster (Waterman)	X	X
2947	Gage Delivery (Gage)	X	X
2948	7th & Chicago (Reservoir)	X	X
3018	Gage Arlington	X	**************************************
City of Redlands		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**************************************
542	COR Church St	T X	
2673	COR #38	X	
535	COR Mentone Acres	X	
29	COR Orange St	X	
74	COR Rees	X	X
Notes:			

Notes:

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified)

TCE analyzed using EPA Method 502.2

TABLE 3

WSCP PRODUCTION WELL SAMPLING PROGRAM JUNE 2000 WELLS SAMPLED TWICE MONTHLY

Well Number	Well Name	Perchlorate	TÇE
City of Loma Lin	da 📜 🤼 💮 🚉 🚉 🗓		
693	Richardson #1	Χ	
City of Riverside	(Gage System)		
219	Gage #29-2	X	
220	Gage #29-3	X	
253	Gage #51-1	X	
644	Gage #92-1	X	

Notes:

TCE = Trichloroethene
Perchlorate analyzed using DHS Method (EPA 300.0 Modified)
TCE analyzed using EPA Method 502.2

WSCP PRODUCTION WELL SAMPLING PROGRAM JUNE 2000 DATA RESULTS

_Well Number	Well Name		Perchlorate (ug/L)	TCE (ug/L)
1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Sample Date	Del Mar	Del Mar
City of Loma Linda		479 FF 184	SEWe D i w. : Prist	
3106	Mountain View #3	6/1/00	ND (4.0)	ND (0.5)
693	Richardson #1°	6/1/00	8.6	ND (0.5)
693	Richardson #1 ^{c*}	6/15/00	8.2	NA
707	Richardson #3	NS	NS	NS
	a Water System Sampling Points 👙 🥛		. Jan i g idakirkir lewide	
2967	Mountain View Blend - Lawton	6/1/00	ND (4.0)	NA
2968	Richardson Blend	NS	NS	NS
	wer (Formerly Southern California Edis			
	SCE #2 (AUX)	NS	NS NS	NS
Loma Linda Unive				
267	LL Univ Anderson #2	6/2/00	ND (4.0)	NA NA
717	LL Univ Anderson #3	6/2/00	ND (4.0)	NA NA
City of Riverside (,		
252	Gage #26-1 ^b	6/1/00	13	7.8
258	Gage #27-1 ^b	6/1/00	7.1	7.3
259	Gage #27-2	6/1/00	9.7	ND (0.5)
260	Gage #29-1	6/1/00	9.1	NA ^a
219	Gage #29-2 ^b	6/1/00	34	5.2
219	Gage #29-2 ^{b*}	6/15/00	33	NA
219	Gage #29-2 ^{b*} (Duplicate)	6/15/00	32	NA
220	Gage #29-3 ^b	6/1/00	47	8.2
220	Gage #29-3 ^b (Duplicate)	6/1/00	51	7.8
	Gage #29-3 (Duplicate)	6/15/00	50	NA ^a
220 218	Gage #29-3	NS	NS NS	NS NS
214	Gage #30-1	6/1/00	4.6	ND (0.5)
215	Gage #46-1	6/1/00	6.1	NA ^a
	Gage #51-1 ^b		19	
253		6/15/00		ND (0.5)
216	Gage #56-1 ^a	NS	NS	NS_
257	Gage #66-1	6/1/00	9.9	NA ^a
644	Gage #92-1 ^b	6/1/00	19	1.3
644	Gage #92-1 ^{b*}	6/15/00	17	NA ^a
641	Gage #92-2 ^a	NS	NS	NS
642	Gage #92-3ª	NS	NS	NS
3091	Gage #98-1	6/1/00	ND (8.0)	ND (0.5)
City of Riverside (Waterman System)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		LL Tratt (
273	Hunt #6	6/15/00	6.3	NA NA
271	Hunt #10	6/15/00	4.4	NA NA
272	Hunt #11	6/15/00	6.7	NA NA
		. Just 1 de mare : Les aurages		
2946	Iowa Booster (Waterman)	6/15/00	ND (4.0)	ND (0.5)
2947	Gage Delivery (Gage)	6/2/00	8.7	ND (0.5)
2947	Gage Delivery (Gage); (Duplicate)	6/2/00	NA NA	ND (0.5)
2948	7th & Chicago (Reservoir)	6/2/00	6.2	NA ND (0.5)
2948	7th & Chicago (Reservoir)	6/15/00	NA NA	ND (0.5)
2948	7th & Chicago (Duplicate)	6/15/00	NA 0.0	ND (0.5)
3018 City of Dodlands	Gage Arlington	6/2/00	6.9	I NA
City of Redlands	loop of the lot	0/45/00		Las Salas Sa
542	COR Church St ^a	6/15/00	ND (4.0)	NA ^a
2673	COR #38ª	NS	NS	NS
535	COR Mentone Acres ^a	NS	NS	NS
29	COR Orange St ^a	NS	NS	NS
74	COR Rees	6/2/00	5.8	NA ^a
74	COR Rees (Duplicate)	6/2/00	5.8	NA NA

Notes: = Twice-monthly sampling result

ND(4) = Not detected at the specified limit

NA = Not Analyzed

NS ≃ Not Sampled

= Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified

TCE analyzed using EPA Method 502.2

- = Well sampled on quarterly basis, if active а
- b = TCE treatment is installed
- =Water purged to waste and not into system

TABLE 5

SUMMARY OF WATER LEVEL MEASUREMENTS JUNE 2000 SAMPLING EVENT

Well Number	Well Name	Measure Date	Depth to Water	Measuring Point Elevation	Groundwater Elevation	Comments
						1 12
	Mountain View #3	6/2/00	115	1086	971	Pumping
693	Richardson #1	6/2/00	173	1077	904	Static
707	Richardson #3	6/2/00	222	1078.69	856.69	Pumping
	ower (Formerly Southern Californ	nia Edison)		: ``	·豫 (2世) :	
554	SCE #2 (AUX)	NM	NM	1100	NM	Pumping
Loma Linda Unive	ersity		i ve i	etico consegó es 💯		- 4.4
267	LL Univ Anderson #2	NM	NM	1075	NM	Pumping
717	LL Univ Anderson #3	NM	NM	1070	NM	Pumping
City of Riverside (Gage System)	Signal of the control	e e e e e e e e e e e e e e e e e e e	and the state of t		tt i inter
252	Gage #26-1	6/13/00	100.20	1045.33	945.13	Pumping
258	Gage #27-1	6/13/00	94.00	1044.64	950.64	Pumping
259	Gage #27-2	6/13/00	85.50	1044.64	959.14	Pumping
260	Gage #29-1	6/13/00	94.20	1044.43	950.23	Pumping
219	Gage #29-2	6/13/00	88.70	1046.31	957.61	Pumping
220	Gage #29-3	6/13/00	84.40	1048.75	964.35	Pumping
218	Gage #30-1	6/13/00	164.80	1054.17	889.37	Pumping
214	Gage #31-1	6/13/00	107.70	1054.64	946.94	Pumping
215	Gage #46-1	6/13/00	106.30	1065.5	959.2	Pumping
253	Gage #51-1	6/13/00	143.30	1044.64	901.34	Pumping
216	Gage #56-1	6/13/00	199.40	1065.5	866.1	Pumping
257	Gage #66-1	6/13/00	143.60	1044.85	901.25	Pumping
644	Gage #92-1	6/13/00	173.80	1047.78	873.98	Pumping
641	Gage #92-2	6/13/00	200.30	1053.38	853.08	Pumping
642	Gage #92-3	6/13/00	200.80	1058.78	857.98	Pumping
3091	Gage #98-1	6/13/00	192.80	1058.78	865.98	Pumping
City of Riverside	(Waterman System)		·			
273	Hunt #6	6/15/00	NM	1015.5	NM	Pumping
271	Hunt #10	6/15/00	NM	1017	NM	Pumping
272	Hunt #11	6/15/00	NM	1015.7	NM	Pumping
City of Redlands						
542	COR Church St	6/1/00	120.0	1344.8	1224.8	Static
2673	COR #38	6/1/00	145.0	1193	1048	Pumping
535	COR Mentone Acres	6/1/00	223.0	1506.4	1283.4	Pumping
29	Cor Orange St	6/1/00	121.0	1282	1161	Static
74	COR Rees	6/1/00	247.0	1490	1243	Pumping

Notes:

All measurements reported in feet below measuring point (ft-bmp)

Water level measurements for all City of Loma Linda, City of Riverside, and City of Redlands wells were obtained by purveyor personnel.

Elevations given in feet above mean sea level (ft-msl)

NM = Not measured

NA = Data not available

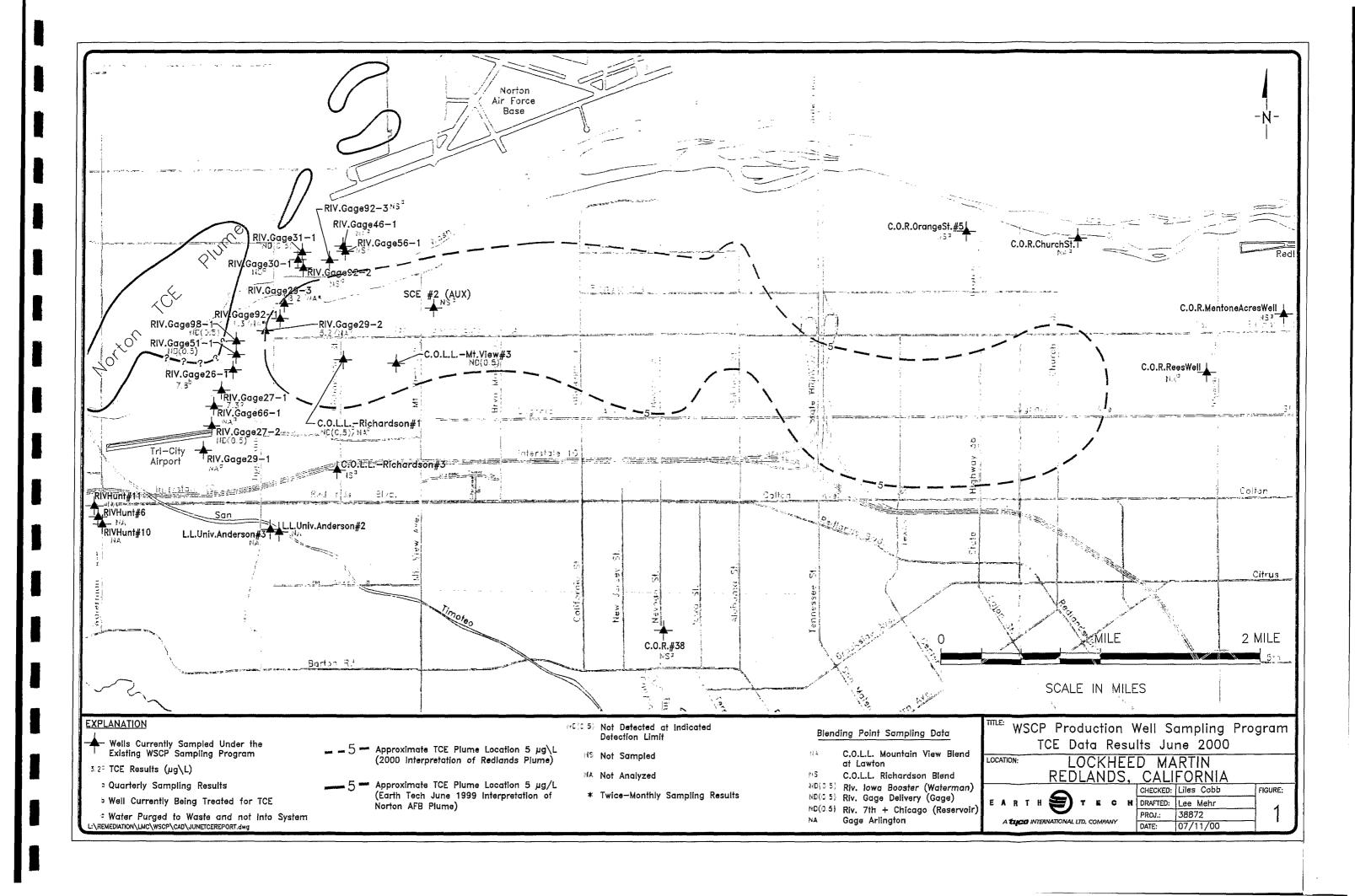
Static water levels were allowed to recover a minimum of 30 minutes to obtain a static water level measurement

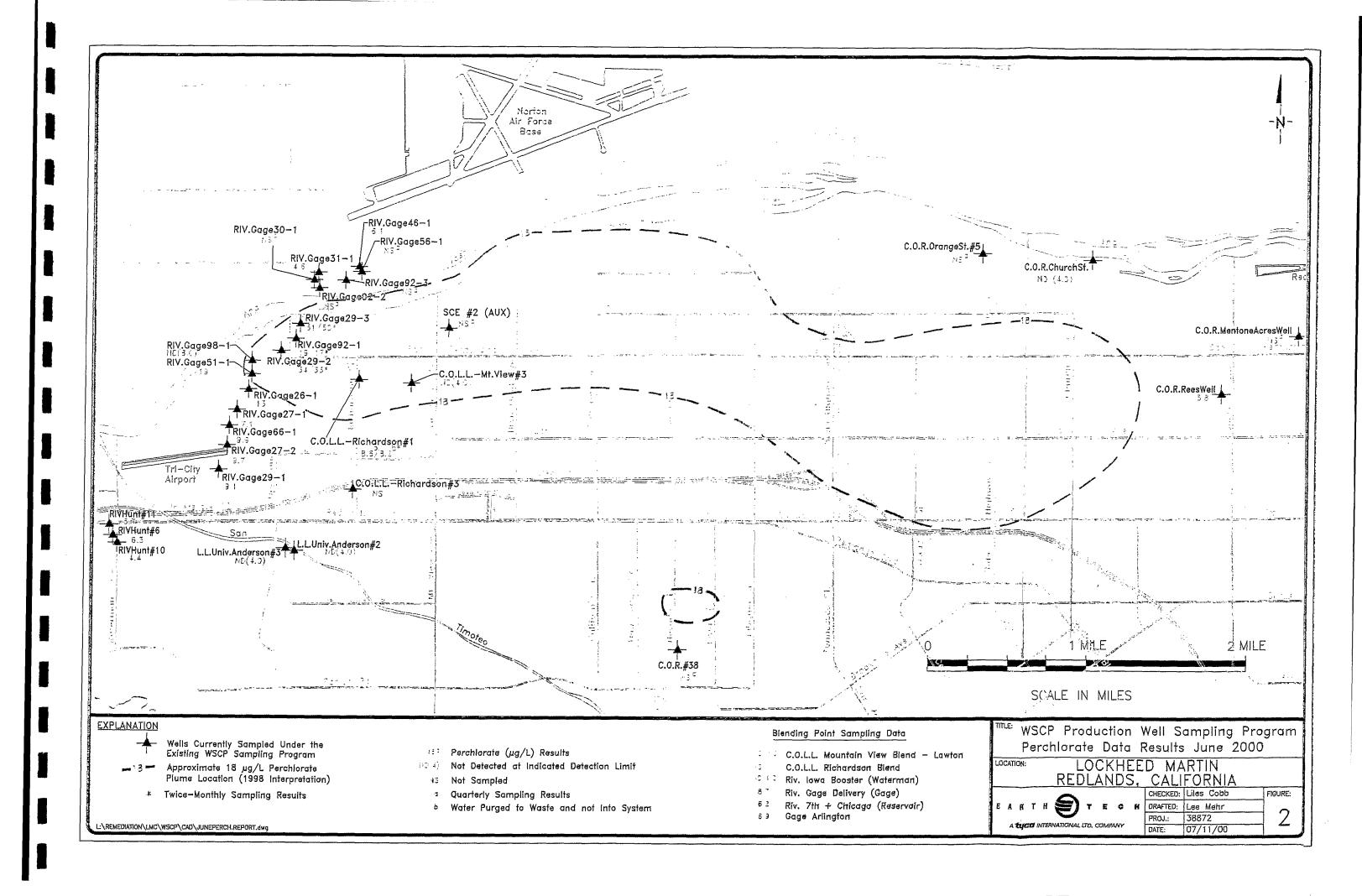
TABLE 6

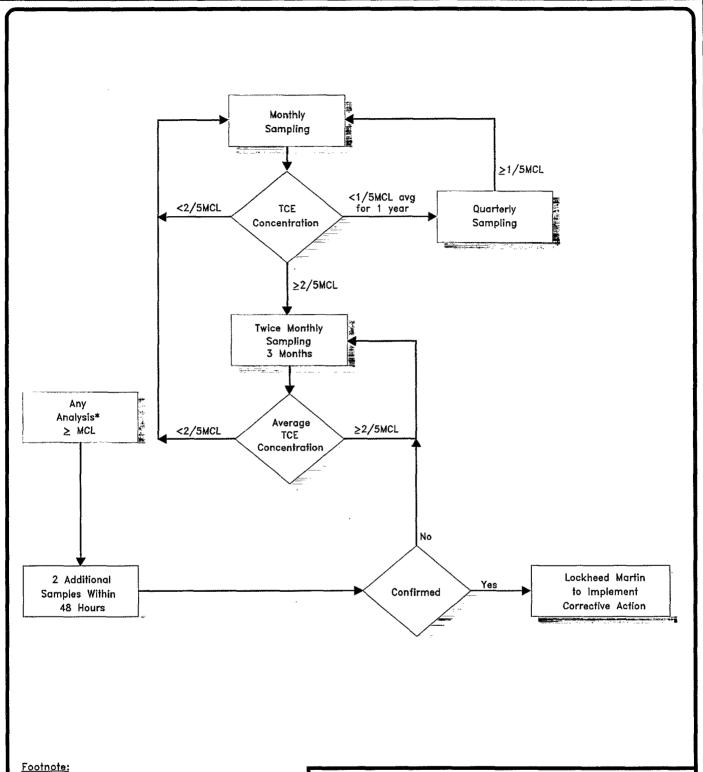
WSCP PRODUCTION WELL SAMPLING PROGRAM JUNE 2000 SAMPLE IDENTIFICATIONS

Well Number	Well Name		Sample	Sample Number	Analyzed for	Analyzed for
- #		Sample Date	Time	Identification	Perchlorate	TCE T
City of Loma Lind		T Quiggarays	od jakovine od	Annual Control of the	70 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	Mountain View #3	6/1/00	10:50	GW-6-6	Yes	Yes
693	Richardson #1	6/1/00	9:55	GW-6-5	Yes	Yes
693	Richardson #1	6/15/00	9:45	GW-6-25	Yes	No
707	Richardson #3	NS	NS	NS	N\$	NS
City of Loma Lind	a Water System Sampling Points	· .	કર્યે કે	Mills		
2967	Mountain View Blend - Lawton	6/1/00	11:20	GW-6-7	Yes	No
2968	Richardson Blend	N\$	NS	NS	NS	NS
	wer (Formerly Southern California Edi	son)	s, Přilit j			
554	SCE #2 (AUX)	NS	NS	NS	NS	NS
Loma Linda Unive			7.44 M. 17-7	* * 4 = 747 = * * * * * * * * * * * * * * * * * *	The Line Control of the Control of t	
267	LL Univ Anderson #2	6/2/00	9:15	GW-6-18	Yes	No
717	LL Univ Anderson #3	6/2/00	9:40	GW-6-19	Yes	No
City of Riverside (5.1	* v. 🍒			7 7 7
252	Gage #26-1	6/1/00	7:55	GW-6-1	Yes	Yes
258	Gage #27-1	6/1/00	8:55	GW-6-3	Yes	Yes
259	Gage #27-2	6/1/00	15:25	GW-6-14	Yes	Yes
260	Gage #29-1	6/1/00	16:00	GW-6-15	Yes	No
219	Gage #29-2	6/1/00	14:55	GW-6-13	Yes	Yes
219	Gage #29-2	6/15/00	10:55	GW-6-27	Yes	No
219	Gage #29-2 (Duplicate)	6/15/00	10:58	GW-6-28	Yes	No
220	Gage #29-3	6/1/00	12:54	GW-6-8	Yes	Yes
220	Gage #29-3 (Duplicate)	6/1/00	12:58	GW-6-9	Yes	Yes
220	Gage #29-3	6/15/00	9:25	GW-6-24	Yes	No
218	Gage #30-1	NS	NS	NS	NS	NS
214	Gage #31-1	6/1/00	14:20	GW-6-12	Yes	Yes
215	Gage #46-1	6/1/00	13:52	GW-6-11	Yes	No
253	Gage #51-1	6/15/00	11:25	GW-6-29	Yes	Yes
216	Gage #56-1	NS	NS	NS	NS	NS
257	Gage #66-1	6/1/00	9:25	GW-6-4	Yes	No
644	Gage #92-1	6/1/00	13:20	GW-6-10	Yes	Yes
644	Gage #92-1	6/15/00	11:50	GW-6-30	Yes	No
641	Gage #92-2	NS	NS	NS	NS	NS
642	Gage #92-3	NS	NS	NS	NS	NS
3091	Gage #98-1	6/1/00	8:25	GW-6-2	Yes	Yes
City of Riverside	(Waterman System)	f	6年 一	a jaka jara karappa ka sa	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
273	Hunt #6	6/15/00	12:20	GW-6-31	Yes	NA NA
271	Hunt #10	6/15/00	13:00	GW-6-33	Yes	NA NA
272	Hunt #11	6/15/00	12:40	GW-6-32	Yes	NA NA
	Water System Sampling Points	3	Ellery 1. E	drog		12- 1 -: ai
2946	Iowa Booster (Waterman)	6/15/00	13:40	GW-6-34	Yes	Yes
2947	Gage Delivery (Gage)	6/2/00	10:43	GW-6-20	Yes	Yes
2947	Gage Delivery (Gage); (Duplicate)	6/2/00	10:45	GW-6-21	No	Yes
2948	7th & Chicago (Reservoir)	6/2/00	11:12	GW-6-22	Yes	No
2948	7th & Chicago (Reservoir)	6/15/00	13:56	GW-6-35	No	Yes
2948	7th & Chicago (Duplicate)	6/15/00	13:58	GW-6-36	No	Yes
3018	Gage Arlington	6/2/00	11:40	GW-6-23	Yes	No
City of Redlands						
542	COR Church St	6/15/00	10:20	GW-6-26	Yes	NA NA
2673	COR #38	NS	NS	NS	NS	NS
535	COR Mentone Acres	NS	NS	NS	NS	NS
29	COR Orange St	NS	NS	NS	NS	NS
74	COR Rees	6/2/00	8:12	GW-6-16	Yes	No
74	COR Rees	6/2/00	8:15	GW-6-17	Yes	No

FIGURES







* If, at a specific well, blending is occurring to provide acceptable water for compounds other than TCE, than no corrective action may be necessary as long as the concentration of TCE is less than 5.0 $\mu g/L$ in the finished water.

TCE MCL = $5 \mu g/L$ (California Regulations, Title 22, Division 4, Chapter 15, Section 64444)

L:\REMEDIATION\LMC\WSCP\CAD\TCEMATRIXFIG-3.dwg

Decision Matrix for Sampling of Production Wells for TCE from the Crafton-Redlands Plume

LOCKHEED MARTIN LOCATION: REDLANDS, CALIFORNIA

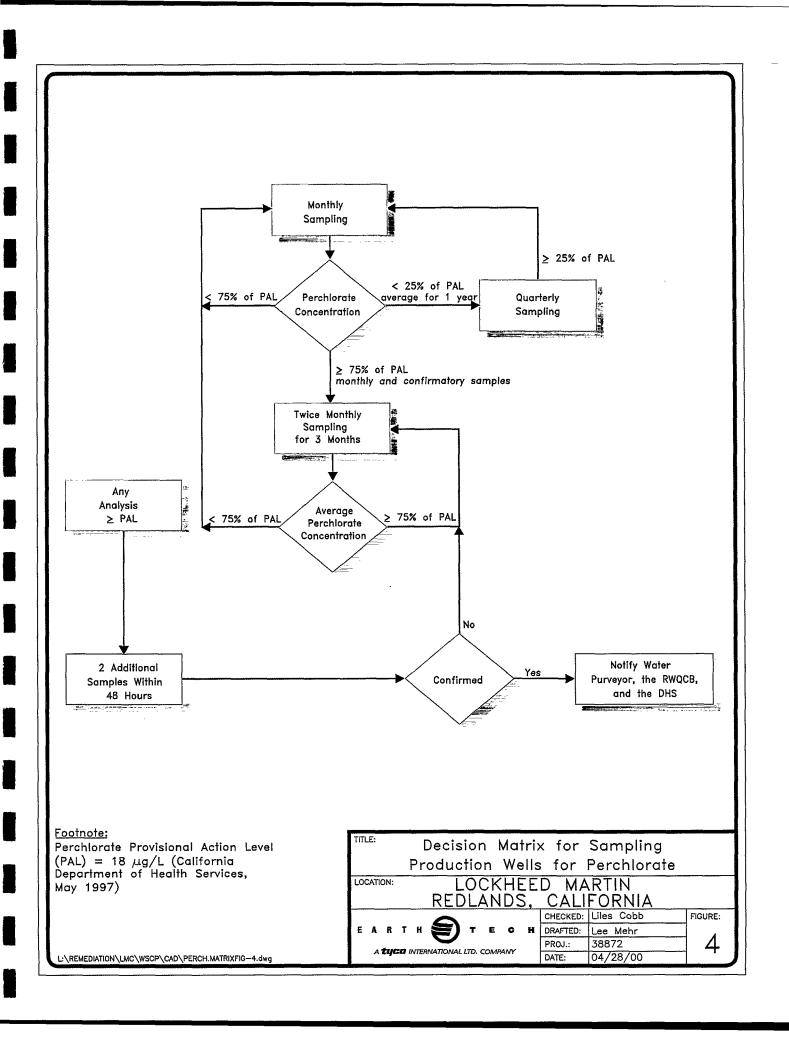




CHECKED: Liles Cobb DRAFTED: Lee Mehr 38872 PROJ.: DATE: 04/28/00

FIGURE:

A **TUCO** INTERNATIONAL LTD. COMPANY



ATTACHMENT A

FIELD SAMPLE FORMS (Available Upon Request)

ATTACHMENT B

CHAIN-OF-CUSTODY RECORDS AND
LABORATORY DATA SHEETS AND LEVEL III QUALITY
ASSURANCE/QUALITY CONTROL DOCUMENTATION
(Available Upon Request)